

Hiep Duc

List of Publications by Year in descending order

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57
papers

797
citations

471509
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24
g-index

66
all docs

66
docs citations

66
times ranked

958
citing authors

#	ARTICLE	IF	CITATIONS
1	The health benefits of reducing air pollution in Sydney, Australia. Environmental Research, 2015, 143, 19-25.	7.5	85
2	Toward sustainable energy usage in the power generation and construction sectors—a case study of Australia. Automation in Construction, 2015, 59, 122-127.	9.8	33
3	Neural network-based meta-modelling approach for estimating spatial distribution of air pollutant levels. Applied Soft Computing Journal, 2013, 13, 4087-4096.	7.2	30
4	A Clean Air Plan for Sydney: An Overview of the Special Issue on Air Quality in New South Wales. Atmosphere, 2019, 10, 774.	2.3	29
5	Skill-Testing Chemical Transport Models across Contrasting Atmospheric Mixing States Using Radon-222. Atmosphere, 2019, 10, 25.	2.3	28
6	Inverse Air-Pollutant Emission and Prediction Using Extended Fractional Kalman Filtering. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 2051-2063.	4.9	27
7	Hot Summers: Effect of Extreme Temperatures on Ozone in Sydney, Australia. Atmosphere, 2018, 9, 466.	2.3	25
8	Modeling Anthropogenic Trends in Air Quality Data. Journal of the Air and Waste Management Association, 1997, 47, 66-71.	1.9	24
9	Enhanced radial basis function neural networks for ozone level estimation. Neurocomputing, 2015, 155, 62-70.	5.9	24
10	Modelling and prediction of air pollutant transport during the 2014 biomass burning and forest fires in peninsular Southeast Asia. Environmental Monitoring and Assessment, 2016, 188, 106.	2.7	24
11	Major Source Contributions to Ambient PM _{2.5} and Exposures within the New South Wales Greater Metropolitan Region. Atmosphere, 2019, 10, 138.	2.3	24
12	The Summer 2019–2020 Wildfires in East Coast Australia and Their Impacts on Air Quality and Health in New South Wales, Australia. International Journal of Environmental Research and Public Health, 2021, 18, 3538.	2.6	24
13	Multivariate adaptive regression splines models for vehicular emission prediction. Visualization in Engineering, 2015, 3, .	8.8	22
14	Poor Air Quality and Its Association with Mortality in Ho Chi Minh City: Case Study. Atmosphere, 2020, 11, 750.	2.3	22
15	Spatial distribution characteristics of some air pollutants in Sydney. Mathematics and Computers in Simulation, 2000, 54, 1-21.	4.4	19
16	Dust Storm Event of February 2019 in Central and East Coast of Australia and Evidence of Long-Range Transport to New Zealand and Antarctica. Atmosphere, 2019, 10, 653.	2.3	19
17	An ensemble random forest tree with SVM, ANN, NBT, and LMT for landslide susceptibility mapping in the Rangit River watershed, India. Natural Hazards, 2022, 113, 1601-1633.	3.4	19
18	Association of climate drivers with rainfall in New South Wales, Australia, using Bayesian Model Averaging. Theoretical and Applied Climatology, 2017, 127, 169-185.	2.8	17

#	ARTICLE	IF	CITATIONS
19	Evaluation of Regional Air Quality Models over Sydney and Australia: Part 1 – Meteorological Model Comparison. <i>Atmosphere</i> , 2019, 10, 374.	2.3	17
20	The Effect of Lockdown Period during the COVID-19 Pandemic on Air Quality in Sydney Region, Australia. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 3528.	2.6	17
21	Background ozone level in the Sydney basin: assessment and trend analysis. <i>International Journal of Climatology</i> , 2013, 33, 2298-2308.	3.5	15
22	Smoke aerosols dispersion and transport from the 2013 New South Wales (Australia) bushfires. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 428.	2.7	15
23	Evaluation of Regional Air Quality Models over Sydney, Australia: Part 2, Comparison of PM2.5 and Ozone. <i>Atmosphere</i> , 2020, 11, 233.	2.3	15
24	Vehicular emissions prediction with CART-BMARS hybrid models. <i>Transportation Research, Part D: Transport and Environment</i> , 2016, 49, 188-202.	6.8	14
25	Urban air pollution estimation using unscented Kalman filtered inverse modeling with scaled monitoring data. <i>Sustainable Cities and Society</i> , 2020, 54, 101970.	10.4	14
26	Performance Evaluation of CCAM-CTM Regional Airshed Modelling for the New South Wales Greater Metropolitan Region. <i>Atmosphere</i> , 2018, 9, 486.	2.3	13
27	Photochemical Smog Modelling Using the Air Pollution Chemical Transport Model (TAPM-CTM) in Ho Chi Minh City, Vietnam. <i>Environmental Modeling and Assessment</i> , 2019, 24, 295-310.	2.2	13
28	Spatial-Temporal Pattern of Black Carbon (BC) Emission from Biomass Burning and Anthropogenic Sources in New South Wales and the Greater Metropolitan Region of Sydney, Australia. <i>Atmosphere</i> , 2020, 11, 570.	2.3	13
29	Dust Transport from Inland Australia and Its Impact on Air Quality and Health on the Eastern Coast of Australia during the February 2019 Dust Storm. <i>Atmosphere</i> , 2021, 12, 141.	2.3	12
30	Influence of the Pacific and Indian Ocean climate drivers on the rainfall in Vietnam. <i>International Journal of Climatology</i> , 2018, 38, 5717-5732.	3.5	10
31	Modelling Hazardous Reduction Burnings and Bushfire Emission in Air Quality Model and Their Impacts on Health in the Greater Metropolitan Region of Sydney. <i>Environmental Modeling and Assessment</i> , 2020, 25, 705-730.	2.2	10
32	Source Contributions to Ozone Formation in the New South Wales Greater Metropolitan Region, Australia. <i>Atmosphere</i> , 2018, 9, 443.	2.3	9
33	Innovations in creative education for tertiary sector in Australia: present and future challenges. <i>Educational Philosophy and Theory</i> , 2020, 52, 1149-1161.	1.8	9
34	Impact of biomass burnings in Southeast Asia on air quality and pollutant transport during the end of the 2019 dry season. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 565.	2.7	9
35	Spatial variability of sydney air quality by cumulative semivariogram. <i>Atmospheric Environment</i> , 1997, 31, 4073-4080.	4.1	8
36	A reactive state-space model for prediction of urban air pollution. <i>Environmental Modelling and Software</i> , 1998, 13, 239-246.	4.5	8

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37	Efficient sampling schemes for Bayesian MARS models with many predictors. Statistics and Computing, 2005, 15, 93-101.	1.5	8
38	Estimation of Power Plant Emissions With Unscented Kalman Filter. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 2763-2772.	4.9	8
39	A Multidisciplinary Approach for Evaluating Spatial and Temporal Variations in Water Quality. Water (Switzerland), 2019, 11, 853.	2.7	8
40	Spatio-temporal pattern of water quality in the Saigon-Dong Nai river system due to waste water pollution sources. International Journal of River Basin Management, 2021, 19, 221-243.	2.7	7
41	CO ₂ vehicular emission statistical analysis with instantaneous speed and acceleration as predictor variables. , 2013, , .		6
42	A metamodel for background ozone level using radial basis function neural networks. , 2010, , .		5
43	Study of Planetary Boundary Layer, Air Pollution, Air Quality Models and Aerosol Transport Using Ceilometers in New South Wales (NSW), Australia. Atmosphere, 2022, 13, 176.	2.3	5
44	Environmental Time Series Analysis and Estimation with Extended Kalman Filtering. , 2013, , .		4
45	Multicompartment models of cancer chemotherapy incorporating resistant cell populations. Journal of Pharmacokinetics and Pharmacodynamics, 1987, 15, 145-177.	0.6	3
46	Recent Trends in Ozone and Particle Concentrations in the Sydney (Australia) Airshed. American Journal of Environmental Sciences, 2008, 4, 454-461.	0.5	3
47	A stochastic model of mutant growth due to mutation in tumors, based on stem cell considerations. Mathematical Biosciences, 1985, 74, 23-35.	1.9	2
48	ASSOCIATIONS BETWEEN AIR POLLUTION AND HOSPITAL VISITS FOR CARDIOVASCULAR DISEASES IN THE ELDERLY IN SYDNEY USING BAYESIAN STATISTICAL METHODS. Australian and New Zealand Journal of Statistics, 2009, 51, 289-303.	0.9	2
49	Predicting Carbon Monoxide Emissions with Multivariate Adaptive Regression Splines (MARS) and Artificial Neural Networks (ANNs). , 2015, , .		2
50	Adaptive Neural Network Metamodel for Short-Term Prediction of Background Ozone Level. , 2010, , .		1
51	Modelling of Photochemical Smog. , 2002, , 361-382.		1
52	Radial Basis Function Neural Network Metamodelling for 2D Resistivity Mapping. , 2010, , .		1
53	Prediction of NO _x Vehicular Emissions Using On-Board Measurement and Chassis Dynamometer Testing. , 2014, , .		1
54	Reply to comment on "Associations between air pollution and hospital visits for cardiovascular diseases in the elderly in Sydney using Bayesian statistical methods". Australian and New Zealand Journal of Statistics, 2011, 53, 259-261.	0.9	0

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55	Nematode morphometry and biomass in the Saigon River harbours in relation to antifouling contaminants. Nematology, 2017, 19, 723-738.	0.6	0
56	New Sampling Scheme for Neural Network-Based Meta-Modelling with Application to Air Pollutant Estimation. , 2012, , .		0
57	Modelling October 2013 Bushfire Pollution Episode in New South Wales, Australia. , 2014, , .		0